

FIGURE 1 (1/2)

•		1		•		50
(SEQ ID NO: 9)	{CAA69226}	MQIPRAALLP	LLLLLAAPA	SAQLSRAGRS	APLAAGCPDR	CEPARCPPQP
(SEQ ID NO: 2)	{PRSS11-Like}	~~~~~~~~~	~~~~~~~~~	~~~~~~~		~~~~~~
(SEQ ID NO: 10)	{AAB94569}	~~~~~~	******	-MAAPRAGRG	AGWSLRAWRA	LGGIRWGRRP
•	Consensus					
					•	
		51		•		100
•	{CAA69226}	EHCEGGRARD	ACGCCEVCGA	PEGAACGLOE	GPCGEGLOCV	
	{PRSS11-Like}		~~~~~~			~~~~~~
	{AAB94569}	RLTPDLRALL	TSGTSDP	RARVTYGTPS	LWARLSVGVT	EDBACT.TCGT
	Consensus		•••••			
	•					
		101				150
•	{CAA69226}		VCASSEPVCG	CDANTIVANT	OI DAACDDCE	150
•	•					
	{AAB94569}		TPDTRTREAS			
	Consensus	TOTIONOLIA	TPDIRIREAS	ENSGIRSRAW		
		151				
•	{CAA69226}		D Diet new	10007101000	***************************************	200
	{PRSS11-Like}		D PNSLRHK			
	{AAB94569}		QLSSPRYK			
	Consensus		SPPPASPRSQ			
•	Consensus	A	S-R	-NFIADVVEK	-APAVV-IE-	PR-
		•••				
	(0) (0)	201		*		250
	{CAA69226}		VSEDGLIVTN			
	{PRSS11-Like}					
	{AAB94569}	VPISNGSGFV				
	Consensus	VPGSGF-	GLI-TN	AHVV	V-L	GYEA

FIGURE 1 (2/2)

	251 *				300
{CAA69226}	KDVDEKADIA	LIKIDHQGKL	PVLLLGRSSE	LRPGEFVVAI	GSPFSLQNTV
{PRSS11-Like}	KDIDKKSDIA	TIKIHPKKKL	PVLLLGHSAD	LRPGEFVVAI	GSPFALQNTV
{AAB94569}	TAVDPVADIA	TLRIQTKEPL	PTLPLGRSAD	VRQGEFVVAM	GSPFALQNTI
Consensus	DDIA	IL	P-L-LG-S	-R-GEFVVA-	GSPF-LONT-
	301			*	350
{CAA69226}	TTGIVSTTQR	GGKELGLRNS	DMDYIQTDAI	INYGNSGGPL	VNLDGEVIGI
{PRSS11-Like}	TTGIVSTAQR	EGRELGLRDS	DMDYIQTDAI	INYGNSGGPL	VNLDGEVIGI
{AAB94569}	TSGIVSSAQR	PARDLGLPQT	NVEYIQTDAA	IDFGNSGGPL	VNLDGEVIGV
Consensus	T-GIVSQR	LGL	YIQTDA-	IGNSGGPL	VNLDGEVIG-
		•			
	351			·	400
{CAA69226}	NTLKVTAGIS	FAIPSDKIKK	FLTESHDR.Q	AKGKAITKKK	YIGIRMMSLT
{PRSS11-Like}	NTLKVTAGIS	FAIPSDRITR	FLTEFQDK.Q	IKDWKKR	FIGIRMRTIT
{AAB94569}	NTMKVTAGIS	FAIPSDRLRE	FLHRGEKKNS	SSGISGSQRR	YIGVMLTLS
Consensus	NT-KVTAGIS	FAIPSD	FL		-IGM
	•				
•	401				450
{CAA69226}	SSKAKELKDR	HRDFPDVISG	AYIIEVIPDT	PAEAGGLKEN	DVIISINGQS
{PRSS11-Like}	PSLVDELKAS	NPDFPEVSSG	IYVQEVAPNS	PSQRGGIQDG	DIIVKVNGRP
{AAB94569}	PSILAELQLR	EPSFPDVQHG	VLIHKVILGS	PAHRAGLRPG	DVILAIGEQM
Consensus	-SEL	FP-VG	V	PG	D-I
	•				
	451	,		489	
{CAA69226}	VVSANDVSDV	IKRESTLNMV	VRRGNEDIMI	TVIPEBIDP	•
{PRSS11-Like}	LVDSSELQEA	VLTESPLLLE	VRRGNDDLLF	SIAPEVVM~	•
{AAB94569}	VQNAEDVYEA	VRTQSQLAVQ	IRRGRETLTL	YVTPEVTE~	
Consensus		S-L	-RRG	PE	

FIGURE 2 (1/1)

Ιt	rA3,	(BC034390) (SEQ ID NO: 11) x PRSS11-Like (SEQ ID NO: 2)
	101	CALQAASRRALQLSGTPVRQLQKGACPLGLHQLSSPRYKFNFIADVVE 148
	1	
	149	KIAPAVVHIELFLRHPLFGRNVPLSSGSGFIMSEAGLIITNAHVVSSNSA 198
	30	KIAPAVVHIELFLRHPLFGRNVPLSSGSGFIMSEAGLIITNAHVVSSNSA 79
	199	APGROOLKVQLQNGDSYEATIKDIDKKSDIATIKIHPKKKLPVLLLGHSA 248
		APGRQQLKVQLQNGDSYEATIKDIDKKSDIATIKIHPKKKLPVLLLGHSA 129
		DLRPGEFVVAIGSPFALQNTVTTGIVSTAQREGRELGLRDSDMDYIQTDA 298
		DLRPGEFVVAIGSPFALQNTVTTGIVSTAQREGRELGLRDSDMDYIQTDA 179
		IINYGNSGGPLVNLDGEVIGINTLKVTAGISFAIPSDRITRFLTEFQDKQ 348
		IINYGNSGGPLVNLDGEVIGINTLKVTAGISFAIPSDRITRFLTEFQDKQ 229
		IKDWKKRFIGIRMRTITPSLVDELKASNPDFPEVSSGIYVQEVAPNSPSQ 398
		1KDWKKRFIGIRMRTITPSLVDELKASNPDFPEVSSGIYVQEVAPNSPSQ 279
		RGGIQDGDIIVKVNGRPLVDSSELQEAVLTESPLLLEVRRGNDDLLFSIA 448
		RGGIQDGDIIVKVNGRPLVDSSELQEAVLTESPLLLEVRRGNDDLLFSIA 329
•	220	PEVVM 453

FIGURE 4

A. Unique HtrA3 Long Form Exons

(SEQ ID NO: 12)	E1 589-bp 12,083-bp E2 GCGCCTGCCCGTTGGgtaagcgctcgggggttcccgccagcgcagGTCTCCACCAGCTGA	(SEQ ID NO: 13)
(SEQ ID NO: 14)	E2 100-bp 4,024-bp E3 AGAGCTCTTCCTGAGgtgggtgaatacccctctccctggctgcagACACCCGCTGTTTGG	(SEQ ID NO: 15)
	B. Unique PRSS11-Like Exon	
(SEQ ID NO: 16)	E1 1,138-bp 4,024-bp E2 AGAGCTCTTCCTGAGgtgggtgaatacccctctccctggctgcagACACCCGCTGTTTGG	(SEQ ID NO: 17)
	C. Common HtrA3 Long form and PRSS11-Like Exons	•
(SEQ ID NO: 18)	E3/E2 223-bp 4,586-bp E4/E3 AAGATCCATCCCAAGgtgggtgggcgtgggccttctctctctctagAAAAAGCTCCCTGTG	(SEQ ID NO: 19)
SEQ ID NO: 20)	E4/E3 195-bp 756-bp E5/E4 GATGCCATCATCAACgtgagtcccagggacttcctccccttgcagTACGGGAACTCCGGG	(SEQ ID NO: 21)
(SEQ ID NO: 22)	E5/E4 33-bp 1,733-bp E6/E5 CCACTGGTGAACCTGgtaagtgtcccctagtacctccctgcccagGATGGCGAGGTCATT	(SEQ ID NO: 23)
(SEQ ID NO: 24)	E6/E5 115-bp 90,643-bp E7/E6 ACAAGCAGATCAAAGgtaaagagctcacctgtgtttcatttccagACTGGAAGAAGCGCT	(SEQ ID NO: 25)
(SEQ ID NO: 26)	E7/E6 49-bp 1,672-bp E8/E7 GACGATCACACCAAGgtgagtgtctgaagagcagactctttccagCCTGGTGGATGAGCT	(SEQ ID NO: 27)
(SEQ ID NO: 28)	E8/E7 96-bp 1,691-bp E9/E8 1140-bp TTCACCTTCTCAGAGgtaggctctgccagactctcctgttggcagAGGCGGCATCCAAGA	(SEQ ID NO: 29)

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